

Fact Sheet #2

2004 Indiana State and Local Homeland Security Grant Set Aside for 2005 Indiana Orthophotography Program

The Indiana 2004 State and Local Homeland Security Grant has a set aside for counties to participate in a statewide orthophotography program. This fact sheet describes the grant, the orthophotography program, and the opportunity for counties to leverage this grant with their own funding for additional products/options.

Information management is critical for homeland security, and few applications are as important as a robust geographic information system (GIS). Mapping can be used for emergency response planning and modeling, response, as well as recovery. Law enforcement can use it for mapping trends, thereby improving performance, and public health agencies can use it for syndromic surveillance. And because these agencies can share the base map with other local agencies, the GIS can be used for many other applications, including tax assessment, planning, economic development, and managing property, utilities, and the environment.

To develop an integrated, complementary and interoperable statewide GIS, part of the Homeland Security grant is dedicated toward orthophotography and project management expenses to be purchased off of a state contracting vehicle. The orthophotography program will be designed to provide a current, accurate, statewide, seamless base map at significantly reduced costs over county-by-county data collection.

How much will my county receive?

Each county will receive a set aside grant to purchase updated orthophotography that meet a consistent statewide standard. To use the funding, counties can participate in a statewide memorandum of understanding (MOU) for the orthophotography program. Thirty counties (based on population) will receive 100% funding for 1-foot orthophotography and related service; the remaining counties will receive 100% funding for 1-meter orthophotography. Attached is a listing of the set aside grant award by county, along with cost estimated for counties desiring to buy-up for additional products/options.

How was it determined how much my county gets?

The 2005 Orthophotography Program is designed to be multi-resolution. The attached map shows the planned photo resolution by county. Cost estimates per square mile were used to calculate the grant amount each county would receive.

How does our county apply for this funding?

County Emergency Management Directors must apply for the Indiana 2004 State and Local Homeland Security Grant. However, the orthophotography program is a set aside – counties do not need to apply separately.

What will the State contract look like?

Over the coming months, the state will enter into contracts for the 2005 Orthophotography Program at agreed pricing per-county with pre-qualified vendors for orthophotography services, project management, quality assurance and acceptance testing.

Does this mean we can purchase higher resolution data than what we are getting from the grant?

Yes. It is anticipated the contract will have “cafeteria style” buy-up options that would allow a county to purchase additional products/options (such as higher resolution) at reduced costs.

The attached sheet provides cost **estimates** for a county to purchase increased resolution data. Counties should anticipate their participation and factor possible costs into their 2005 budgets now.

How does this benefit my county?

Counties will benefit from:

- Current color imagery, taken during the Spring 2005 leaf-off season.
- Seamless base map with neighboring jurisdictions – access to neighboring counts’ data for mutual aid response.
- High resolution detail in the 30 most populated counties (1-foot or better), good resolution in less populated counties (1-meter or better).
- Easy to purchase off of state contract – technical specifications pre-defined.
- Cafeteria-style “buy-up” options available for higher resolution, color infrared, and elevation data.
- Digital surface model for 3-dimensional mapping.
- Multi-use base mapping (e.g., local communities can use orthophotography for emergency management, drainage, planning, law enforcement, property management, etc.).

- Public-domain data that can be used for other government and business needs in your county.

How much does our county save by participating?

In addition to the benefits mentioned above, a statewide program can realize significant cost-savings over the expense of counties “going it alone.” A combination of factors contribute to this: technological advances have made orthophotography less expensive; a statewide program can realize a 20-30% cost-savings (the program is saving approximately \$1 million as currently defined); finally, counties can leverage the grant funds toward the buy-up options. Combined, these factors can save counties tens- to hundreds-of-thousands of dollars over their last orthophotography update.

So, what should we do now?

Determine if your county might want to participate in any buy-up options and factor them into your 2005 budget.

Make sure the Indiana Geographic Information Council has a single point of contact for orthophotography in your county (usually this would be the same as your GIS coordinator or other designated GIS point of contact).

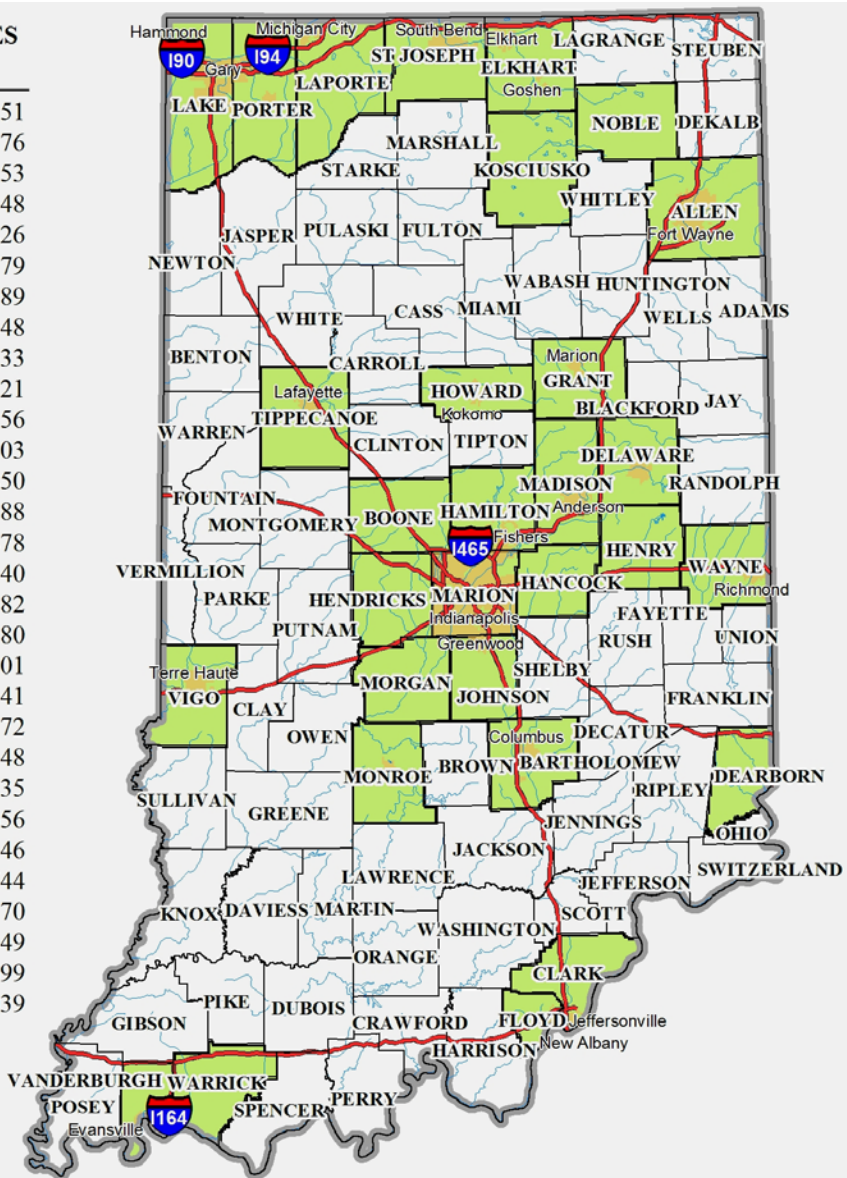
How do we get more information?

More information will be made available as the program specifications and contracts develop.

The Indiana Geographic Information Council’s (IGIC) Orthophotography Workgroup will work with the State of Indiana to define the specifications for the program. If you are interested in participating on the Orthophotography Workgroup or have other questions about this program, contact Jill Saligoe-Simmel, IGIC Executive Director (jsaligoe@iupui.edu, 317-815-8455). For general questions about the Indiana 2004 State and Local Homeland Security Grant, please contact the State Emergency Management Agency Homeland Security Division, 317-232-3980.

TOP 30 INDIANA COUNTIES (2003 US Census Population Estimates)

Marion County	863,251
Lake County	487,476
Allen County	340,153
St Joseph County	266,348
Hamilton County	216,826
Elkhart County	188,779
Vanderburgh County	171,889
Tippecanoe County	154,848
Porter County	152,533
Madison County	131,121
Johnson County	123,256
Monroe County	122,903
Hendricks County	118,850
Delaware County	117,488
LaPorte County	109,878
Vigo County	104,540
Clark County	99,482
Howard County	84,880
Kosciusko County	75,301
Bartholomew County	72,341
Grant County	71,572
Floyd County	71,148
Wayne County	70,235
Morgan County	68,656
Hancock County	59,446
Warrick County	54,744
Boone County	49,370
Dearborn County	47,849
Henry County	47,699
Noble County	47,039



County Set Aside for the Orthophotography Program

(Top 30 Populated Indiana Counties Highlighted in Green)

*Ortho Program Set Aside includes funding for orthophotography, project managment, QA/QC, acceptance testing, and state-local enterprise data sharing.

NAME	2003 Census Population Est.	Area (mi2)	*Ortho Program Set Aside	Cost estimate to buy up from 1m to 1ft photo resolution	Cost estimate to buy up from 1ft to 6" photo resolution	Cost estimate to buy up from 1m to 6" photo resolution
Adams County	33,592	340	\$17,001	\$50,990		\$66,083
Allen County	340,153	660	\$132,116		\$29,309	
Bartholomew County	72,341	409	\$83,071		\$18,176	
Benton County	9,189	406	\$20,032	\$60,960		\$79,004
Blackford County	13,876	165	\$9,042	\$24,810		\$32,154
Boone County	49,370	423	\$85,793		\$18,793	
Brown County	15,313	317	\$15,938	\$47,493		\$61,551
Carroll County	20,499	375	\$18,602	\$56,258		\$72,911
Cass County	40,415	415	\$20,421	\$62,239		\$80,661
Clark County	99,482	376	\$76,585		\$16,703	
Clay County	26,772	360	\$17,934	\$54,059		\$70,060
Clinton County	33,947	405	\$19,981	\$60,792		\$78,786
Crawford County	11,146	309	\$15,584	\$46,327		\$60,040
Daviess County	30,047	437	\$21,421	\$65,528		\$84,925
Dearborn County	47,849	307	\$63,059		\$13,633	
Decatur County	24,747	373	\$18,528	\$56,013		\$72,592
DeKalb County	41,129	364	\$18,091	\$54,577		\$70,731
Delaware County	117,488	396	\$80,443		\$17,579	
Dubois County	40,200	435	\$21,346	\$65,284		\$84,608
Elkhart County	188,779	468	\$94,511		\$20,772	
Fayette County	24,999	215	\$11,310	\$32,268		\$41,820
Floyd County	71,148	148	\$32,010		\$6,585	
Fountain County	17,750	398	\$19,645	\$59,688		\$77,355
Franklin County	22,773	391	\$19,345	\$58,700		\$76,076
Fulton County	20,508	371	\$18,435	\$55,706		\$72,195
Gibson County	32,991	499	\$24,257	\$74,858		\$97,016
Grant County	71,572	415	\$84,142		\$8,419	
Greene County	33,244	546	\$26,393	\$81,886		\$106,124
Hamilton County	216,826	403	\$81,774		\$7,881	
Hancock County	59,446	307	\$62,997		\$3,619	
Harrison County	35,706	487	\$23,702	\$73,032		\$94,649
Hendricks County	118,850	409	\$82,976		\$3,154	
Henry County	47,699	395	\$80,242		\$17,533	
Howard County	84,880	294	\$60,492		\$13,050	
Huntington County	38,143	388	\$19,190	\$58,191		\$75,416
Jackson County	41,639	514	\$24,927	\$77,063		\$99,874
Jasper County	31,078	561	\$27,092	\$84,183		\$109,102
Jay County	21,732	384	\$19,002	\$57,572		\$74,614
Jefferson County	32,250	363	\$18,050	\$54,441		\$70,556
Jennings County	28,111	378	\$18,753	\$56,753		\$73,552
Johnson County	123,256	322	\$65,897		\$14,277	
Knox County	38,745	524	\$25,397	\$78,608		\$101,876
Kosciusko County	75,301	554	\$111,428		\$24,613	
LaGrange County	36,026	387	\$19,134	\$58,007		\$75,178
Lake County	487,476	626	\$125,513		\$27,810	
LaPorte County	109,878	613	\$122,911		\$27,219	
Lawrence County	46,201	452	\$22,114	\$67,811		\$87,382

NAME	2003 Census Population Est.	Area (mi2)	*Ortho Program Set Aside	Cost estimate to buy- up from 1m to 1ft photo resolution	Cost estimate to buy- up from 1ft to 6" photo resolution	Cost estimate to buy- up from 1m to 6" photo resolution
Madison County	131,121	453	\$91,589		\$20,109	
Marion County	863,251	403	\$81,834		\$17,895	
Marshall County	46,352	450	\$22,017	\$67,489		\$37,465
Martin County	10,347	341	\$17,028	\$51,079		\$6,199
Miami County	36,177	377	\$18,708	\$56,604		\$3,359
Monroe County	122,903	411	\$83,454		\$18,262	
Montgomery County	37,911	505	\$24,543	\$75,801		\$8,238
Morgan County	68,656	409	\$83,076		\$18,177	
Newton County	14,403	404	\$19,901	\$60,530		\$8,447
Noble County	47,039	418	\$84,685		\$18,542	
Ohio County	5,732	87	\$5,489	\$13,121		\$7,004
Orange County	19,616	408	\$20,114	\$61,230		\$9,354
Owen County	22,827	388	\$19,185	\$58,175		\$5,394
Parke County	17,329	450	\$22,024	\$67,514		\$7,498
Perry County	18,717	386	\$19,117	\$57,951		\$5,105
Pike County	12,931	341	\$17,053	\$51,162		\$6,307
Porter County	152,533	522	\$105,027		\$23,160	
Posey County	26,876	419	\$20,627	\$62,917		\$8,541
Pulaski County	13,835	435	\$21,316	\$65,186		\$8,481
Putnam County	36,692	483	\$23,506	\$72,388		\$9,814
Randolph County	26,833	453	\$22,167	\$67,984		\$8,107
Ripley County	27,316	448	\$21,925	\$67,187		\$8,075
Rush County	18,016	409	\$20,133	\$61,293		\$7,436
St Joseph County	266,348	461	\$93,166		\$20,467	
Scott County	23,556	193	\$10,289	\$28,910		\$3,467
Shelby County	43,717	413	\$20,338	\$61,967		\$8,309
Spencer County	20,343	401	\$19,796	\$60,185		\$7,000
Starke County	23,139	312	\$15,741	\$46,847		\$6,714
Steuben County	33,706	322	\$16,205	\$48,372		\$6,691
Sullivan County	21,861	454	\$22,204	\$68,106		\$8,266
Switzerland County	9,435	224	\$11,693	\$33,528		\$4,453
Tippecanoe County	154,848	503	\$101,401		\$2,336	
Tipton County	16,422	260	\$13,375	\$39,061		\$5,623
Union County	7,238	165	\$9,035	\$24,787		\$3,124
Vanderburgh County	171,889	236	\$49,110		\$10,467	
Vermillion County	16,572	260	\$13,353	\$38,991		\$5,532
Vigo County	104,540	410	\$83,287		\$13,225	
Wabash County	34,339	421	\$20,701	\$63,161		\$8,857
Warren County	8,703	367	\$18,217	\$54,990		\$7,267
Warrick County	54,744	391	\$79,452		\$13,354	
Washington County	27,618	517	\$25,054	\$77,480		\$10,414
Wayne County	70,235	404	\$82,090		\$13,953	
Wells County	27,912	370	\$18,391	\$55,561		\$7,007
White County	24,852	509	\$24,701	\$76,320		\$9,911
Whitley County	31,651	338	\$16,908	\$50,685		\$6,588